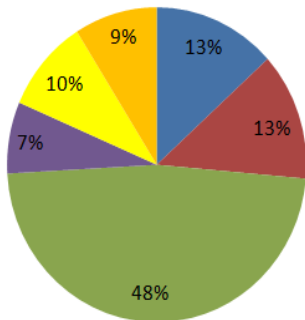


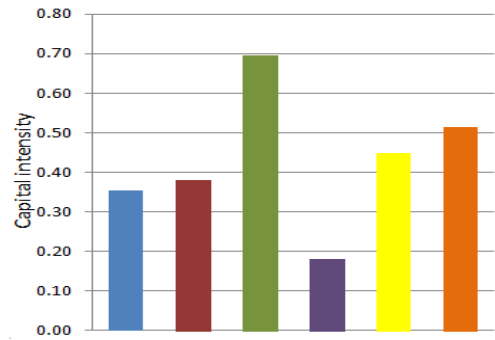
Construction & Infrastructure

Proportion of GDP productivity across the Vocational Pathways measured by GDP from labour (per person) for 2015



- Services
- Manufacturing & Technology
- Primary
- Social & Community Services
- Creative (including Recreation Services)
- Construction & Infrastructure

Capital intensity measured as the share of GDP which is attributable to capital, in each Vocational Pathway



Source: Infometrics

Valued skills can include

- implementing basic procedures using resistant materials to make a specified product
- demonstrating understanding of concepts related to machines and/or structural frameworks
- promoting an organised body of design work to an audience using visual communication techniques
- performing measurements and calculations used in boat or coach building
- demonstrating fundamental knowledge of earthworks and its application
- performing manual soldering and de-soldering procedures for electro-technology work
- demonstrating ICT skills using Computer Aided Design (CAD)

Vocational Pathways provide a framework for learner engagement, skill development, work experience and progression.

Youth Guarantee initiatives provide a set of tools and resources to address learner needs in the most appropriate ways.

- **Total GDP 2015: \$219,529m**
- **Construction and Infrastructure Industries share of GDP: \$18,659.97m**

National contribution to economic growth 2005-2015 (\$M)

- Construction and Infrastructure contributed \$3,335m toward national economic growth

National contribution to top 50 employing industries in NZ in 2015

- House construction
37,049 jobs – 1.60% of NZ total
 - Other Heavy and Civil Engineering Construction
18,691 jobs – 0.80% of NZ total
 - Road and Bridge Construction
14,186 jobs – 0.60% of NZ total
 - Painting and Decorating
13,313 jobs – 0.60% of NZ total
 - Plumbing Services
11,820 jobs – 0.50% of NZ total
- Source: Infometrics

Vocational Pathways Awards 2014

- 1114 awards in 2014 – 6% of NZ total

Trades academies places across NZ in 2016

- 993 places – 16.2% of total numbers

Type and number of Construction and Infrastructure programmes across Trades Academies in 2015

- Construction/ Building, BCATs (19)
- Carpentry (5)
- Trades Technology or Skills / Architecture Design (4)



New Zealand's growth is set to outpace most of its developed markets' peers with construction and infrastructure including broadband rollouts, national road building, energy, water/wastewater and house building set to increase by around 40%.

What work is available?

Construction

Labouring, building, demolition, electrical, excavation, concreting, landscape architect, interior designer, carpentry, plastering, painting, decorating, joinery, flooring, scaffolding, roofing, tiling, glazing, glass processing, brick-laying, plumbing, gas fitting, drain laying, drafting plans, quantity surveying, engineering, installing heating, ventilation, and air conditioning, providing products or services to the industry.

Infrastructure

Laying pipes, laying drains, road building and repair, building dams, wharves, airport runways, building and maintaining telecommunication and electricity networks.

Link to jobs listed in Manufacturing and Technology Vocational Pathway

<http://www.youthguarantee.net.nz/vocational-pathways/the-six-vocational-pathways/construction-and-infrastructure-pathway/jobs-in-construction-and-infrastructure/>

*I like being practical.
Building skills will
set me up for life.
My path is Orange.*



Herepainga Rawiri, Tikipunga High School

What industries are there?

Construction

Construction firms operate across all parts of the sector, and build everything from major high-rise and commercial buildings, to light commercial buildings and houses. They also refit, renovate and maintain existing buildings.

Infrastructure

Below ground - Infrastructure companies build services that supply telecommunications and water and that remove wastewater and sewerage. They also build and maintain the storage and treatment systems for these services.

Above ground – Infrastructure companies build roads, bridges, pavements, tunnels, ports, airport runways, dams and electricity generation and supply structures.

For further careers information go to

Youth Guarantee
youthguarantee.net.nz

Careers NZ
careers.govt.nz/

Occupational Outlook
mbie.govt.nz/info-services/employment-skills/labour-market-reports/occupation-outlook

Industry Training Organisations for this sector include: Connexis and BCITO



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